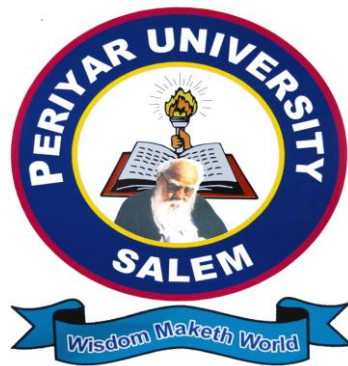


PERIYAR UNIVERSITY
PERIYAR PALKALAI NAGAR
SALEM – 636 011



DEGREE OF BACHELOR OF SCIENCE
CHOICE BASED CREDIT SYSTEM

SYLLABUS FOR B.SC. TEXTILE AND FASHION DESIGNING

FOR THE STUDENTS ADMITTED FROM THE

ACADEMIC YEAR 2012 – 2013 ONWARDS

REGULATION AND SYLLABUS

(Effective from the Academic Year 2012-2013 Onwards)

RULES AND REGULATIONS FOR THE ADMISSION OF 3 YEARS B.Sc., TEXTILE AND FASHION DESIGNING

I. CONDITION FOR ADMISSION

Candidates seeking admission to the first year degree of Bachelor of Science in Textile and Fashion Designing shall be required to have Passed in any higher secondary course examination of the state board/CBSE/ICSE.

Pass in any textile, apparel, costume, garment technology, man made fibres, textile production, textile marketing, merchandising and fashion related Diploma course is eligible to admit in direct second year of this UG Course.

II. DURATION OF THE COURSE

The course for the degree of Bachelor of Science Textile and Fashion Designing shall extend over a period of three academic years – 6 Semesters and each semester normally consisting of 90 working days or 450 Hours.

III. ELIGIBILITY FOR THE DEGREE

A candidate shall be eligible for the degree of Bachelor of Science Textile and Fashion Designing, if he/she has satisfactorily undergone the prescribed courses of the study for a period not less than 6 semesters in an institution approved by the university has passed the prescribed examinations in all the 6 Semesters.

IV. SUBJECT OF STUDY

The subjects of the study for the B.Sc., Textile and Fashion Designing and the syllabus for the subjects are given in the annexure.

V. REQUIREMENT OF EXAMINATION

The theory examinations will be conducted for 3 Hours by the university in the subjects prescribed for all the semesters in the month of November & April every year.

The practical examinations will be conducted for 3 Hours by the university in all the subjects prescribed in the month of March & April.

VI. SCHEME OF THE EXAMINATION

The scheme of examinations for the course is given in Annexure. All the practical examinations/ Project work shall be conducted & evaluated internally by the institution themselves with internal and external examiners appointed by the university.

SEM	PART	COURSE CODE	COURSE	HRS		CREDIT	MARKS			
				L	T/P		CIA	EA	TOTAL	
I	I	12UTA01	Tamil I / *	4	2	3	25	75	100	
	II	12UEN01	English I	4	2	3	25	75	100	
	III		12UTF01	Core I – Fibre & Yarn Science	3	2	5	25	75	100
			12UTFP01	Core Prac. I- Basic Apparel Designing Practical	-	3	-	-	-	-
			12UTFA01	Allied – I – Basic Apparel Designing	3	2	4	25	75	100
			12UTFAP01	Allied Prac. I- Fundamental of Computer Practical	-	3	-	-	-	-
	IV	12UTFV01	Val.Edu – Yoga	2	-	2	25	75	100	
						30	17			
II	I	12UTA02	Tamil II/*	4	2	3	25	75	100	
	II	12UEN02	English II	4	2	3	25	75	100	
	III		12UTF02	Core II – Fabric Science	4	2	5	25	75	100
			12UTFA02	Allied II – Pattern Making	4	2	5	25	75	100

		12UTFAP02	Allied Prac. II – Fabric Design Analysis Practical	-	5	3	40	60	100
		12UTFP01	Core Prac. I- Basic Apparel Designing Practical	-	-	3	40	60	100
		12UTFAP01	Allied Prac. I- Fundamental of Computer Practical	-	-	3	40	60	100
	IV	12UES01	Env. Stu	1	-	1	25	75	100
					30	26			
III	I	12UTA03	Tamil III/*	4	2	3	25	75	100
	II	12UEN03	English III	4	2	3	25	75	100
	III	12UTF03	Core - III – Textile Processing	4	2	4	25	75	100
		12UTFP02	Core Prac. II – Textile Processing Practical	-	3	-	-	-	-
		12UTFA03	Allied III – Fashion Designing	3	2	4	25	75	100
	IV	12UTFSP01	SBEC – I – Embroidery & Surface Decoration Practical	1	1	2	40	60	100
		12UTFN01	NMEC – I (Other Department NMEC Paper –I)	1	1	2	25	75	100
						30	18		
IV	I	12UTA04	Tamil IV/*	4	2	3	25	75	100
	II	12UEN04	English IV	4	2	3	25	75	100
	III	12UTFP03	Core Prac. III – Textile Testing Practical	-	3	3	40	60	100
		12UTFP04	Core Prac. IV – Designing & Manufacturing Children’s Apparel Practical	-	3	3	40	60	100
		12UTFA04	Allied – IV - Fashion & Clothing Psychology	3	2	4	25	75	100
		12UTFAP03	Allied Prac. III – Fashion Illustration Practical	-	3	3	40	60	100
		12UTFP02	Core Prac. II - Textile Processing Practical	-	-	3	40	60	100
	IV	12UTFN02	NMEC – II (Other Department NMEC Paper –II)	1	1	2	25	75	100
		12UTFS01	SBEC – II – Non Woven & Technical Textiles	1	1	2	25	75	100
						30	26		
V	III	12UTF04	Core – IV – CAD in Textiles & Fashion	4	2	5	25	75	100
	III	12UTF05	Core – V – Textile Finishing	4	2	5	25	75	100
	III	12UTF06	Core – VI – Fabric Care	4	2	5	25	75	100
	III	12UTFP05	Core Prac. V – Designing & Manufacturing Women’s Apparel Practical	-	3	-	-	-	-
	III	12UTFM01	MBEC – I – Fashion Marketing & Merchandising	5	-	4	25	75	100
	IV	12UTFSP02	SBEC – III – Fashion Accessories & Ornaments Practical	1	1	2	40	60	100
	IV	12UTFSP03	SBEC – IV – Portfolio Presentation Practical	1	1	2	40	60	100
						30	23		
VI	III	12UTF07	Core – VII - Apparel Quality Assurance	4	2	5	25	75	100

	III	12UTFP06	Core Prac. VI – CAD in Textile & Fashion Practical	-	3	3	40	60	100
	III	12UTFP07	Core Prac. VII – Designing & Manufacturing Men’s Apparel Practical	-	3	3	40	60	100
	III	12UTFM02	MBEC – II – Fashion Photography	3	2	4	25	75	100
	III	12UTFM03	MBEC – III – Textile & Garment Industry Management	3	2	4	25	75	100
	IV	12UTFSP04	SBEC – V – Beauty Care Practical	1	1	2	40	60	100
		12UTFSP05	SBEC – VI – Needle Craft Practical	1	1	2	40	60	100
		12UTFP08	Project Viva Voce	2	2	3	-	100	100
		12UTFP05	Core Prac. – V - Designing & Manufacturing Women’s Apparel Practical	-	-	3	40	60	100
	V	12UEX01	Extn. Activities	-	-	1	-	-	-
					30	30			
TOTAL							140		

- * - Any other language Courses
 SBEC - Skill Based Elective Courses
 NMEC - Non - Major Elective Courses
 MBEC - Major Based Elective Course

VII. PASSING RULES

• Theory Subjects

75% of the marks for external evaluation and 25% marks are allotted for internal evaluation.

Candidate is demand to have passed to a subject, if he/she get a minimum of 40% of total marks in theory subjects with internal mark of 10 marks out of 25 marks and external mark of 30 marks out of 75.

• Practical/Project

60 marks for external evaluation and marks are allotted for internal evaluation.

For practical subjects, the candidate should get minimum marks of 24 marks in external evaluation out of 60 and 16 marks in internal evaluation out of 40.

For project work and viva voce a candidate should get minimum of 40 marks out of 100.

QUESTION PAPER PATTERN

a. THEORY:

Time: 3Hours

Total Marks: 75 Marks

QUESTION PAPER PATTERN

Unit	Section-A	Section-B	Section-C
I	Q. 1, 2	Q. 11a, 11b,	Q.16
II	Q. 3, 4	Q. 12a, 12b	Q.17
III	Q. 5, 6	Q.13a, 13b	Q.18
IV	Q. 7, 8	Q.14a, 14b	Q.19
V	Q. 9, 10	Q.15a, 15b	Q.20

SECTION A (10 X2 = 20)

ANSWER ALL THE QUESTIONS

SECTION B (5 X5 = 25)

Either or Choice

ANSWER ALL THE QUESTIONS

SECTION C (3 X10 = 30)

ANSWER ANY THREE QUESTIONS OUT OF FIVE

INTERNAL ASSESSMENT

	MARKS	
TEST :	15	
ASSIGNMENT :	5	
ATTENDANCE :	5	
	25	
PASSING MINIMUM (IA) 40%	-	10 MARKS
PASSING MINIMUM (UE) 40%	-	30 MARKS
PASSING MINIMUM TOTAL	-	40 MARKS

b. PRACTICAL:

Time: 3Hours

Total Marks: 60 Marks

SECTION A (1 X20= 20)

Either or Choice

ANSWER ANY ONE

SECTION B (1 X40 = 40)

Either or Choice

ANSWER ANY ONE

INTERNAL MARKS:

RECORD:	25
SAMPLES:	10
ATTENDANCE :	05
TOTAL:	40

PASSING MINIMUM (IA) 40%	-	16 MARKS
PASSING MINIMUM (UE) 60%	-	24 MARKS
PASSING MINIMUM TOTAL	-	40 MARKS

B.Sc. TEXTILE AND FASHION DESIGNING

CHOICE BASED CREDIT SYSTEM

(for the students admitted from the year 2012-2013 onwards)

I LIST OF CORE COURSES

1. 12UTF01 - Fibre and Yarn Science
2. 12UTFP01 - Basic Apparel Designing Practical
3. 12UTF02 - Fabric Science
4. 12UTF03 - Textile Processing

5. 12UTFP02 - Textile Processing Practical
6. 12UTFP03 - Textile Testing Practical
7. 12UTFP04 - Designing & Manufacturing Children's Apparel Practical.
8. 12UTF04 - CAD in Textiles & Fashion
9. 12UTF05 - Textile Finishing
10. 12UTF06 - Fabric Care
11. 12UTFP05 - Designing & Manufacturing Women's Apparel Practical.
12. 12UTFP06 - CAD in Textile and Fashion Practical
13. 12UTF07 - Apparel Quality Assurance
14. 12UTFP07 - Designing & Manufacturing Men's Apparel Practical.

II. LIST OF ALLIED COURSES

1. 12UTFA01 - Basic Apparel Designing
2. 12UTFAP01 - Fundamental of Computer Practical
3. 12UTFA02 - Pattern Making
4. 12UTFAP02 - Fabric Design Analysis Practical
5. 12UTFA03 - Fashion Designing
6. 12UTFA04 - Fashion and Clothing Psychology
7. 12UTFAP03 - Fashion Illustration Practical.

III. LIST OF SKILLED BASED ELECTIVE COURSES

1. 12UTFSP01 - Embroidery and Surface Decoration Practical
2. 12UTFS01 - Non-Woven and Technical Textiles
3. 12UTFSP02 - Fashion Accessories and Ornaments Practical
4. 12UTFSP03 - Port Folio Presentation Practical
5. 12UTFSP04 - Beauty Care Practical
6. 12UTFSP05 - Needle Craft Practical

IV. LIST OF MAJOR BASED ELECTIVE COURSES

1. 12UTFM01 - Fashion Marketing and Merchandising
2. 12UTFM02 - Fashion Photography
3. 12UTFM03 - Textile and Garment Industry Management

V. LIST OF NON - MAJOR ELECTIVE COURSE

1. 12UTFN01 - Fashion Art & Design Concept
2. 12UTFN02 - Embroidery & Surface Design

B.Sc. TEXTILE AND FASHION DESIGNING CHOICE BASED CREDIT SYSTEM

12UTF01 FIBRE AND YARN SCIENCE

UNIT-I

Introduction to Textile fibers - Definition, Classification of fibers - Essential and Desirable properties – Natural fibers- cotton, silk, wool, Jute - Manufacturing, Physical and chemical Properties and end uses.

UNIT-II

Manmade fibers – Viscose rayon, Polyester, Nylon - Manufacturing, Physical and chemical Properties and end uses. Brief study of spandex / Lycra and new fibres.

UNIT- III

Introduction to Ginning – Objects – Types of Ginning, Working principle of knife roller gin. Blow room process – objects of mixing, objects of blow room, working principles of axi-flow cleaner, krishner beater, lap forming Unit (scutcher)- cleaning efficiency.

UNIT – IV

Carding – Objects, working principles of modern carding. Draw frame – Objects, Roller drafting, working principles of draw frame. Comber – Objects, working principles.

UNIT – V

Simplex – Objects, working principles, Spinning (Ring frame) – Objects, Working principles. Yarn – Definition, Classification, simple, fancy and sewing threads.

REFERENCES

- Textiles fiber to fabric, Corbman B.P, International Mc Graw – Hill, Editions, 1983.
- Textile Science, E.P.G. Gohl & L.D. Vilensky, 2nd edition, CBS Publishers and Distributors, New Delhi – 110002 (India)
- Technology of spinning, W.D. Klein, Textile Institute, Manchester.
- Spun yarn Technology, Vol-I, II & III, Dr. Venkatasubramani,
- Spun yarn Technology, Eric Oxtoby, Butter worth pub, U.K. 1987.

12UTFP01 BASIC APPAREL DESIGNING- PRACTICAL

1. Preparation of Samples for Seam & Seam Finishes.
2. Preparation of Samples for Fullness.
3. Preparation of 2 Samples for Facing & binding.
4. Preparation of 2 Samples for Plackets & fasteners.

5. Preparation of 2 Samples for Sleeves.
6. Preparation of 2 Samples for Collars.
7. Preparation of 2 Samples for Yokes.

12UTF02 FABRIC SCIENCE

UNIT-I

Sequential Process of Weaving Preparation – Warp winding, Warping, Sizing and Pirn winding- Objects and Principles of working.

UNIT-II

Weaving – Primary motions – Shedding, Picking and Beat up. Secondary motions – Let off and Take – up motion. Auxiliary motion - Warp Protecting, Weft fork motion.

UNIT-III

Elements of woven Design – Design – Draft - Peg plan and Denting plan. Plain Weave and its derivatives. Twill weave and its modifications, Satin, Sateen and Crepe weave. Honeycomb, Mock leno, Huck a back, Extra warp, Extra weft, Backed fabric.

UNIT-IV

Pile fabric - warp and weft pile. Double cloth. Brief Study of Shuttleless weaving.

UNIT –V

Knitting – Introduction, Classification. Working principle of weft knitting machine.

REFERENCES

- Watson's Textile and colour, Z.J. Grosicki, wood head Pub. Ltd.
- Watson's Advanced Textile design, Z.J. Grosicki, wood head Pub. Ltd.,
- Woven Cloth construction, Mark and Robinson, the textile Institute Manchester, 1973.
- Weaving Mechanism by N.M. Benerji, Textile Institute, Manchester.
- Knitting Technology by A.J.Agnodkar.
- Knitting Technology by Spenser

12UTF03 TEXTILE PROCESSING

UNIT-I

Introduction to Textile processing - Process sequence - Impurities present in grey fabric. Shearing, Singeing, Desizing – objects - types - Acid desizing - Enzyme desizing. Scouring – objects - chemical changes during scouring - Open scouring - Kier boiling.

UNIT-II

Bleaching – Objects - Chemicals used - Hypochlorite bleaching - Hydrogen peroxide bleaching. Mercerization – Objects - Chemical changes - Chain mercerizing.

UNIT – III

Dyeing - Objects, Classification. Dyeing of cotton with Direct, Reactive, Vat, Sulphur and Azoic dyes. Wool and Silk with acid and basic dyes. Polyester with disperse dyes. Nylon and acrylic with basic dyes.

UNIT-IV

Printing – Objects - Ingredients in printing - styles of printing – Direct – Resist – Discharge - Printing methods – Screen – Block – Roller – Rotary - Flat bed - Transfer printing - after treatments – Steaming – Curing - Thermal fixing.

UNIT - V

Colour fastness to washing, lighting, rubbing and perspiration. Computer colour matching - Brief study of Eco Friendly in Textile Processing.

REFERENCES

- Bleaching and mercerization- E.R.Trotman,Charles Griffin co,London, 1993.
- Dyeing and chemical technology of textile fibers,Charles Griffin co, London.
- Textile printing-Dr.V.A. shenai,Sevak publications,Mumbai 1991.
- Textile finishing-Dr.V.A.shenai,Sevak publications,Mumbai 1991.

12UTFP02 TEXTILE PROCESSING PRACTICAL

1. Desizing of cotton with acid and enzyme.
2. Scouring of cotton.
3. Bleaching of cotton with hydrogen peroxide.
4. Mercerization of cotton.
5. Dyeing of cotton with Direct, Reactive, Vat.
6. Dyeing of silk with Acid and Basic dyes.
7. Printing of cotton fabric on direct style.
8. Finishing of cotton fabric with softeners.

12UTFP03 TEXTILE TESTING PRACTICAL

1. Fibre testing - Identification of fibers by Microscopic test, Burning test and Solubility test.
2. Yarn testing – Determination of Yarn count, Yarn twist, Lea strength & CSP Calculation.
3. Fabric Testing – Fabric Particulars – Threads/inch, Yarn crimp, Cover weight per square yard of the fabric, Fabric tensile strength, Bursting strength, Stiffness, Drapability, Shrinkage, Abrasion testing, Pilling resistance.

12UTFP04 DESIGNING AND MANUFACTURING CHILDREN'S APPAREL– PRACTICALS

Designing, Drafting and constructing the following garments with the design features.

1. BIB – Variation in outline shape
2. Panty – Plain and variation in shapes.
3. Jabla – with or without sleeve, with and without opening.
4. Knickers - with elastic opening and side plackets.
5. Baba suit /Romper – knickers with chest piece attached
6. A line frock– double pointed dart, facings at neckline and armhole.
7. Summer frock – without sleeve and collars, suspenders tied at shoulder
8. Yoke frock – with yoke, with sleeve, Gathered, flared, with or without collar.
9. Boy's shirt – open collar, pocket
10. Boy's short – fly open with buttons, side pocket, pleats and dart.

REFERENCES

- Zarpker system of gutting – Zarpker K.R. Navneet Publications Ltd.
- Practical clothing construction – part I and II, Mary Mathews, cosmic Press, Chennai (1986).
- Practical cutting and Tailoring part II Eshwasri Anwahi, Lakhraj Hans R.B Publications, Delhi.

12UTF04 CAD IN TEXTILES AND FASHION

UNIT-I

Introduction to computers – Organization of computers – Input unit – Output unit – Central Processing Unit – Memory device. Working principles of Printer- Scanner- Digitizer – Plotters.

UNIT-II

Computer applications in printing – Colour reduction – Screen preparation – Simulation techniques. Computer application in weaving – stripes – checks – spot designs – enlarged designs – dobby – jacquard – simulation techniques.

UNIT-III

Computer application in fashion designing – design creation- theme rendering – 3D modeling – body scanning – texture mapping – design studio – fashion studio – fashion multimedia concepts.

UNIT-IV

Computer application in pattern making – grading – marker planning – laying – cutting – labeling – duplicating.

UNIT-V

Study of Computer Aided Manufacturing - Computer Integrated Manufacturing - Computerized Embroidery - Brief study on design software used in industries.

REFERENCES

- CAD/CAM computer aided design and manufacture, Groover MP and E.W.Zinimmers, prentic hall, India 1984.
- Computer aided design and manufacture, Bezant C.E, Ellis Horwood, England,1983.
- CAD in clothing and textiles, Winfred Aldrich, Blackwel science, 1994.
- Computers in fashion industry, Taylor P, Heinemann publications 1990.
- Automation in the textile industry from fibers to apparels, Buhanan and Graddy, The Textile Institute,UK 1995.
- Computer aided drafting and design –concept and application, Veinsinet DO, 1987.

12UTF05 TEXTILE FINISHING

UNIT – I

Finishing – types of finishing – importance of garment finishing, advantages of finishing.

UNIT – II

Resin finish – process and Recipe, wash and wear finish, water proof finish – process and Recipe, Water repellent finish – Process and Recipe, Antimicrobial Finish, Flame retardant finish – process and recipe, Soil release finish – process and recipe.

UNIT – III

Stiff finish – process and Recipe, softening – silicone finish – process and Recipe, Denim finish – process and recipe, Stone wash finish – process, anti – pilling finish – process and recipe, Anti mildew finish – process and Recipe.

UNIT – IV

Fusing – Requirement of fusing – types and method of fusing, welding and adhesives, moulding. Durable press finish – pressing – methods of pressing – pleating – permanent press.

UNIT – V

Industrial washing machine – Rotary Drum washer, HT/HP. Pressing Machine – steam pressing Machine – Steam Air finisher – Steam tunnel machine. Fusing equipment – flat bed and continuous fusing system. Drier – Tumble Drier, Hydro extractor machine.

REFERENCE

- Technology of clothing manufacture – Harold carr of Barbara Latham
- Textile finishing – Dr.G.Nallangilli &Dr. S.Jayaprakasam.
- Fusing fabric – Margaret Beal 2005, Bt Bate fool Ltd.

12UTF06 FABRIC CARE

UNIT – I

Water – Hard and Soft water, methods of softening water. Laundry soaps- types of soap, Manufacture of soap, composition of soap, properties of soap. Soapless detergents - Detergent, Manufacture, merits and demerits of detergent.

UNIT –II

Laundry equipment – for storage, steeping and washing. Types of equipments – wash board, suction washer, wash boiler, washing machine. Drying equipments – out door and indoor types. Irons and ironing board – Types.

UNIT–III

Stiffening agents - starch and other stiffening agents, preparation of starch. Bleaching agents -Types of Bleaching agents. Grease Removers - Grease solvents-Grease Absorbents. Laundry blues and their application - Optical blues.

UNIT – IV

Laundering & their principles - Principles of washing, kneading and squeezing. Methods of finishing - Damping, ironing, pressing, steaming, mangling, calendaring - care & cleaning of irons. Laundering of different fabrics – Cotton, Linen, Woolens, Colored fabrics, Silks and Rayon.

UNIT – V

Dry cleaning-Definition and its types. Stain Removal - Classification into Animals, vegetables, Grease, Dye & Mineral stains - scorch and Grass stains - General rules and ways of stain removal.

REFERENCES

- Textile Fabrics and their selection, Wingate I.B. Allied publishers Pvt. Ltd., Chennai.
- Fundamental of Textiles and their care, Dantyagi. S. Orient Longman Ltd., New Delhi, 1980.
- Family clothing Tate of Gleasson John wiky and Sons, Inc Illinois Latested

12UTFP05 DESIGNING AND MANUFACTURING WOMEN'S APPAREL PRACTICAL

Designing, Drafting and constructing the following garments for the features.

1. Middy – Variation in panel.
2. Middy Top – Front open, with or without collar and variation in sleeves.
3. Night dress - With or without yoke, variation in Sleeves, attaching trimmings.
4. Maxi - Fashioned neck and attaching trimmings.
5. Salwar - Gathered waist with tape or elastic, bottom design variation.
6. Kameez - Fashioned neck, variation in sleeve.
7. Ladies pant - Variations in bottom zip attached, patch pants.
8. Ladies shirt - Half open collar attached, half or full sleeve.

REFERENCES

- Easy cutting - Juvekar,, Commercial Tailors Corporation Pvt. Ltd, 166 Dr.Ambedkar Road, Delhi.
- Zarapker system of cutting – K.P. Zarapker, Navneet Publications Ltd.

- Practical clothing construction – part I and II, Mary Mathews, cosmic Press, Chennai.

12UTFP06 CAD IN TEXTILE AND FASHION PRACTICAL

Coral Draw or Fashion Studio

1. Design a garment for children - any 3 designs
2. Design a garment for women - any 3 designs
3. Design a garment for men - any 3 designs

TUKA CAD

1. Create a pattern, grading and prepare a marker plan for children – Bib,
Summer Frock, Romper
2. Create a pattern, grading and prepare a marker plan for women –
Salvar kameez, middi & middi top, maxi
3. Create a pattern, grading and prepare a marker plan for men- Full
sleeve shirt, Kalidhar Kurtha, Pyjama

Adobe Photoshop

1. Converting black & white images into multi colour images
2. Create visiting card with Image mixing

12UTF07 APPAREL QUALITY ASSURANCE

UNIT-I

Define - Quality, QC, QA. Importance of quality and quality control. Raw material inspection - fabric inspection - 4 point system - 10 point system - in process inspection - final inspection - no inspection- 100% inspection - statistical sampling-AQL standards. Preparing specifications.

UNIT- II

Fabric defects - pre sewing defects - sewing defects - post sewing defects-causes & remedies. Minor and major defects.

UNIT-III

Concepts of Total quality management - Tools used. ISO 9000 - ISO 14000 - SA 8000 - Ecotex concepts.

UNIT-IV

Accessories testing - sewing threads, button, lining, interlining, hook, laces, elastics, packing materials. Testing on dimensional stability - bow-skew ness - shrinkage.

UNIT-V

Apparel Quality Assurance in Packing –importance –types. Warehousing –scope & importance – Shipping procedure.

REFERENCES

- Managing quality in the apparel industries - Pradip metha, Satish k. Bhardwaj, NIFT, New age international (p) ltdpublishers, ND.

- Technology of clothing manufacture, Harold Carr and Barbara Latham, Oxford publications, ITSA.
- Apparel manufacturing and sewing product analysis, Ruth EC.
- Introduction to quality control, Pradip V Metha, ASCQ quality press, newyork, 1992.
- Total quality management -a practical approach, Wiley Eastern, New York 1990.

12UTFP07 DESIGNING AND MANUFACTURING MEN'S APPAREL PRACTICAL

Designing, Drafting and constructing the following garments for the features.

- | | | |
|----------------------|---|--|
| 1. Slack Shirt | - | with collar, Half Sleeve, Patch pocket. |
| 2. Full sleeve shirt | - | Full open collar, patch pocket, full sleeve
with cuff. |
| 3. S.B. Vest | - | With / without collar, No sleeve, Fancy
button attached. |
| 4. Pleated Trouser | - | Pleat in front, Darts at back, side pocket, fly
with button /zip, Belt with adjustable strap. |
| 5. Kalidhar kurtha | - | Kali piece, side pocket, round necks, half
open. |
| 6. Pyjama | - | Waist, elastic – tape attached, fly. |

REFERENCES

- Commercial system of cutting – Juvekar, commercial Tailors corporation Pvt. Ltd, 166, Dr. Ambedkar Road, Dadas.
- Practical clothing construction – part I and II, Mary Mathews, cosmic press, Chennai.
- Zarapkar system of cutting K., R.Zarapker, Navneet publications Ltd.

- Dress making - Smt Thangam Subramaniam, Bombay tailoring and Embroidery College, 32 North Part Street, Ambattur, Chennai.
- Easy Cutting Juvekar, Commercial Tailors corporation Pvt.Ltd, 166, Dr, Ambedkar road, Dadas.

12UTFA01 BASIC APPAREL DESIGNING

UNIT – I

Parts and function of a single needle machine, essential equipment. Seams and Seam finishes – types. Working of seams and seam finishes. Hemming - Importance, Types, hem stitches used.

UNIT – II

Fullness - Definition, types, darts, tucks, Pleats, flares, godets, gathers and shirrs, frills, flounces. Facing and binding - Definition, types.

UNIT – III

Openings – Plackets – Definition, Characteristics of a good Placket – types, method of constructing the plackets.

UNIT – IV

Closures: Fasteners–Conspicuous–Definition, types Button and button– holes, button loops, button with holes, shank buttons, eyelets of words Inconspicuous – press buttons, hook, and eyes, zips.

UNIT – V

Sleeves: Definition, Types of Sleeves – plain, puff sleeve, bishop sleeve, bell, circular, squared armhole, cap sleeve and Magyar sleeve, sleeve and bodice combined – raglon, kimono and dolman.

Yoke's - Types, simple yoke, Yoke with fullness, within the yoke.

REFERENCES

- The Complete Book of sewing – Dorling Kinderley Ltd, London 1986.
- Practical, clothing construction – Part I & II, Cosmic Press, Chennai (1986).
- Securing & knitting - A readers Digest, step – by – step guide, Readers Digest Pvt Ltd., Australia.

12UTFAP01 FUNDAMENTALS OF COMPUTER PRACTICAL

UNIT-I

Introduction to Computer – DOS, Windows, Functions of Photo paint.

UNIT-II

Word processing – Excel processing - Power Point.

UNIT-III

Access Processing, Internet – Browsing – E-mail.

UNIT-IV

Corel draw –Tools for Garment Designing

UNIT-V

Photoshop- Tools , Garment styling, colouring and designing.

12UTFA02 PATTERN MAKING

UNIT-I

Body measurements – Importance - Preparing for measuring - measurements for ladies, mens, boys & girls. Standardizing body measurements – Importance - techniques used.

UNIT-II

Pattern making – methods (Drafting & Draping), merits & Demerits, Types of paper patterns, principles of pattern Drafting – Drafting basic bodice front, back & Sleeve Draping – steps in draping a basic bodice front, back & sleeve.

UNIT-III

Fitting-principles of fitting, standards for a good fit, Step in fitting techniques. Checking fit of a blouse, Solving fitting problems in a blouse.

UNIT-IV

Pattern layout – Definition – Rules in layout, methods of layout, layouts for lengthwise stripped designs, bold designs asymmetric designs, one way designs, Alternative techniques if cloth is insufficient, fabric cutting, transferring pattern markings.

UNIT-V

Pattern alteration – importance of altering patterns, principles for pattern alteration, common pattern alterations in a blouse.

Brief study of pattern grading – Definition – types.

REFERENCES

- Practical clothing construction - Part I & II, Mary Mathews, cosmic press, Chennai, 1986.
- Zarpakar system of cutting – Zarpakar K.R., Navneeth's Publications Ltd.,
- Pattern grading for women's clothes, the technology of sizing – Gerry cooklin, Black well science Ltd.,
- Metric Pattern cutting, wintred Aldrich, Blackwell science, Uk.

12UTFAP02 FABRIC DESIGN & ANALYSIS PRACTICAL

Analysis of following fabrics for Design, Draft, Peg Plan, Ends per inch, Picks per inch, Yarn count, Yarn crimp, Cover factor& Weight per square yard of fabrics.

1. Plain weave and its derivatives
2. Twill weave – 2/1, 3/1.
3. Satin
4. Sateen
5. Honey comb
6. Huck – a – back
7. Extra Warp
8. Extra Weft
9. Mock leno

12UTFA03 FASHION DESIGNING

UNIT-I

Design-Definition, types-structural and decorative design and their requirements, elements of design-line, shape, colour, size and texture.

UNIT-II

Principles of Design – Balance, Rhythm, emphasis, harmony and proportion. Application of Principles of design in dress.

UNIT-III

Colour – Definition, colour theories – prang and munsell collar system, Dimensions of color, Hue, Value and intensity, standard colour harmonies, design principles applied to colour in dress design.

UNIT IV

Figure irregularities – stout figure, thin figures, Slender figure, broad shoulders, Narrow shoulders, round shoulders, flat bust, Large bust, large Abdomen, large hips. Faces – round, Large, small, broad, chin – Prominent and Jaw, prominent forehead.

UNIT V

Wardrobe planning - Factor to be considered while selecting clothes for different age groups men, women and children, Trend and season.

REFERENCES

- Art and fashion in clothing selection, Liowa state University press, Iowa.
- Fundamentals of Textiles and their care, Susheela Dantiyagi, 5th Edition, Published by orient Longman Ltd., New Delhi.
- Wardrobe strategies for women, Judith Rasband, Delmar Publishers, London.
- Inside the fashion Business, 4th Edition ,Jeannetta A. Jarnow, Mirianr Guerreiro and Beatrice Judelle, Macmilan publishing company, Newyork.
- Practical clothing construction, a part III Cosmic Press, Chennai.

12UTFA04 FASHION AND CLOTHING PSYCHOLOGY

UNIT – I

Origin of fashion, definition of fashion, style and fad. Terms related to the fashion industry such as boutique, collection, Mannequin, chic, classic, custom made, fashion, shows, trend, high fashion etc.

UNIT - II

Reasons for fashion changes – psychological needs for fashion, development of personal identify, social psychology of fashion, temporal variation in fashion and fabric. Role of costumes as a status symbol, sex appeal and identify, fashion and season.

UNIT – III

Fashion industry – creation of fashion design – production – distribution – promotion related skills in sketching, filling, collection, production including merchandising, buying, sewing, selling ability – organization as a business.

UNIT – IV

Fashion Centers in Paris & in India. Designers in India – Ritu Beri, Rithu Kumar, Rohith Bal, J.J. Vallaya, Manish Malhotra. Designers in Japan, China, America. List out some of the Fashion Forecasting Industries all over the World.

UNIT – V

(a) Dacca muslin, Jam dani, Chanderi, Brocades, Baluchar, Banaras, Kashmir, shawls and Himrus & Amrus. Study of the dyed & Printed textiles of India.

(b) Bandhani, Patola, Ikat techniques.

(c) Kalamkari.

REFERENCES

- Fashion- From Concept to Consumer- Gini Stephens Firings, 6th Edition Prentice Hall (1999).
- Art and Fashion in Clothing Selection- Harriet T Mc Jimsey, The Iowa State University, Press, Iowa (1973).
- Inside the Fashion Business – Bennett, Coleman & Co., Mumbai (1988).
- Retail Fashion, Promotion and Advertising – Drake et al, Machillan Publishing Company, New York.

12UTFAP03 FASHION ILLUSTRATION PRACTICAL

Prepare the Illustrations for the following:-

1. Head theory – $8\frac{1}{2}$, $10\frac{1}{2}$, and $12\frac{1}{2}$
 - Stick figure
 - Block Figure
 - Flesh Figure
2. Sketching of different action croques.
 - Men
 - Women
 - Children
3. Wardrobe Collection for Teenage boys and girls.
4. Difference between normal & fashion figure.
5. Different Types of lines & checked effects in men & women garment.

12UTFSP01 EMBROIDERY & SURFACE DECORATIONS PRACTICAL

Make the Samples for the following

1. Hand Embroidery – 15 stitches
2. Machine Embroidery - 3 stitches
3. Appliqué (Any 1 type)
4. Smocking – Types of smocking (Any 1 type)
5. Bead work (Any 1 type)
6. Sequins work (Any 1 type)
7. Zardosi work (Any 1 type)
8. Mirror work (Any 1 type)
9. Stone work (Any 1 type)

12UTFS01 NON-WOVEN AND TECHNICAL TEXTILES

UNIT- I

Non-woven – definition – classification - fibers used - web preparation - parallel laid - cross laid and random laid web preparation.

UNIT - II

Bonding – mechanical – thermal - chemical / adhesive. Production of melt blown and spun lace techniques.

UNIT – III

Technical Textiles – Introduction, definition, classification, applications & end uses

UNIT- IV

Geo textiles –Introduction, General properties and end uses. Industrial textiles- Introduction, General properties and end uses.

UNIT- V

Medical textiles – Introduction, General properties and end uses. Home textiles– Introduction, General properties and end uses.

REFERENCES

- Technical textiles-Anand and A.R.Horracks, Textile institute.
- Non-wovens - Arul Dahiya, MG Kamath, Raghavendra R Hedge and Monika Kannadnguli.
- Hand Book of Technical Textiles – A R Morrocks and S C Anand, wood Head publishing ltd, England 2000.
- non woven bonded fabrics – Lunenschloss J and W. Albrocht, Ellis Horwood, London 1985
- Geo textiles – NWM John, blackie London

12UTFSP02 FASHION ACCESSORIES AND ORNAMENTS PRACTICAL

CONSTRUCT AND DESIGN

1. Different shapes and kinds of

- a) Handbags
- b) Belts
- c) Wallet

2. For Accessory making of design

- a) Bracelets,
- b) Bangles
- c) Anklets
- d) Chains – hip chain, neck chain

3. Ear ring & head hair ornaments with different models.

4. Make Bridle Set – 2 set

12UTFSP03 PORTFOLIO PRESENTATION PRACTICAL

Development and Presentation Technique for the following:-

- 1. Customer profile, customer story board, Inspiration Board, story board, Mood board, color board, fabric board, Accessories Board, Ornamental Board, Design Development. Final Presentation.
- 2. Window Display – on a particular theme festivals (any one)
- 3. Drawing from Photographs

12UTFSP04 BEAUTY CARE PRACTICAL

Do the following experiments

1. Bleaching
2. Facial
3. Hair Remover- Threading, Waxing
4. Hair Style – any 3 styles
5. Hair Cut – any 3 styles
6. Hair Curl, Hair Straightening, Hair Coloring
7. Makeup – Face makeup, Bridal makeup, party makeup
8. Nail treatment – pedicure, manicure, nail art
9. Saree draping – any 3 styles
10. Training & visit one day beauty parlour

12UTFSP05 NEEDLE CRAFT PRACTICAL

Make Samples for

- | | | |
|----------------------|---|------------------------------------|
| 1. Crochet | - | Samples – 2 – 4 |
| 2. Embroidery | - | The best used stitches of about 10 |
| 3. Drawn thread work | - | Samples 2 |
| 4. Smocking | - | Samples 4 |
| 5. Patch work | - | Samples 4 |
| 6. Appliqué | - | Samples 5 |

12UTFM01 FASHION MARKETING AND MERCHANDISING

UNIT I

Introduction to Merchandising, Fashion Marketing, Role of Merchandiser, product development & product cycle. Types of merchandising.

UNIT II

Channels of Distribution. Pre- buying activity, fabric types, properties and behaviour, selection of fabric, quality requirements, quality problems.

UNIT III

Promotional Activities of Govt. Organization. Domestic & Export Market Environment, International Market Environment. Buyers and Sellers Meet.

UNIT IV

Costing – Basic Costing, importance, types, merits & demerits; Domestic & Export Pricing, merits & demerits.

UNIT V

Advertising- scope, importance, types, merits & demerits; sales promotion, personal selling. Retail management.

REFERENCES

- Fashion Marketing, Mike Easey 1995, Oxford University press to Wynford Drive, Don Mills, Ontario.

- Introduction to Fashion Design, Patrick John Ireland, 1992, B.T Batsford Ltd., 583, Fullham Road, London.
- Fashion Design & Product development, Haroldcars/ John Pomeroy, 1992, Black Well Science, Inc., 238, Main Street, Cambridge.

12UTFM02 FASHION PHOTOGRAPHY

UNIT I

Photography – Principle – Indoor Photography – Needs and Method- Lighting Techniques – Methods and Equipments.

UNIT II

Photography Techniques and Equipment for different fields- Modeling – Newspaper - Magazines – Occasions – Fashion Shows.

UNIT III

Camera Definition- Parts of Camera – Classification and types of Camera- Applications – Disadvantages.

UNIT IV

Photography using Digital Cameras – Video Photography – Image Mixing – Application of Computers in Photography – Printing Techniques.

UNIT V

Outdoor photography – needs- Lighting Techniques – Methods and Equipments- Comparison pf outdoor photography with Indoor Photography.

REFERENCE

- John Hedge, “Photography Course”, John Hedge C. 1992.

12UTFM03 TEXTILE AND GARMENT INDUSTRY MANAGEMENT

UNIT-I

Selection of land for textile and garment mills. Factors to be considered while selecting land.
Plant layout- product- process- compound. Material handling equipments.

UNIT-II

Types of building- single storey- multi storey – roof - RCC. Lighting and ventilation - air conditioning - power and lighting requirements - types of lamps.

UNIT-III

Humidification - relative humidity - working principles of humidification plant- heating.

UNIT-IV

Principles of management - process of management – planning - types and strategies, business organization - types of leadership- motivation- communication.

UNIT-V

Entrepreneurship – functions - starting a new industry - essentials of a successful center.
Project – planning – formulation - appraisal.

REFERENCES

- Management in textile industry, the textile institute, Manchester, longman London 1989.
- management in textile industry, Textile trade press, Ahmedabad 1981.
- Textile project management, The textile institute, 1992.
- Principles of management, Terry and Franklin, AITBS 2002.

- For entrepreneurs only, Harell, Career publications, New Jersey, 1995.

NON MAJOR ELECTIVE COURSE

12UTFN01 FASHION ART & DESIGN CONCEPT

Unit I :

Origin of Fashion, Fashion Language :

Origin of Fashion – Fashion Terminology – Philosophy of Design – Street Fashion- Study of Leading Indian Fashion Designer – Rohit Bal, Ritu Beri, Ritu Kumar, Hement Trivedi & Arjun Khanna.

Unit II :

Design – Types, Elements of Design:

Design – Definition – Types of Design: Structural and Decorative Design. Elements of Design-Line –Form –Size-Color – Texture.

Unit III :

Principles of Design:

Principles of Design – Harmony – Balance – Rhythm – Emphasis – Proportion. Importance of Principles of Design.

Unit IV :

Colour :

Definition of Colour – Colour Theory (Prang Colour Chart, Munsell System)- Dimensions of Colour – Hue, Value Intensity, Tint, Shade, Tone, Colour Schemes and Harmony.

Unit V :

Knowledge of Fashion Designing :

Knowledge of Latest Fashions based on age, Gender Balance, Nationality Occupation, Socio-Economic Status. Climate conditions and Technological developments.

REFERENCE BOOKS :

- Elizabeth Rouse – Understanding Fashion.
- Mc Call's London – Fashion in Color.
- Goldstein.H. and Goldstein.Y. Mc Millan & Co., - Art in Everyday life.
- Fashion Technology.

12UTFN02 EMBROIDERY & SURFACE DESIGN

UNIT – I

Introduction to Embroidery – General Rules for Hand and Machines Embroidery, Special Attachments to Sewing Machines for Embroidery. Identify Embroidery Stitches. Needle, Threads, Colour & Fabrics Selection for Design using Computers.

UNIT – II

Knowledge & Practice of Embroidery Stitch by Hand Running, Cording, Button Hole, Satin, Long & Short, Sheaf, Artificial Velvet, Chain, Stem, Herringbone, Cross Star, French Knot, Double Knot, Fish Bone.

UNIT – III

Knowledge & Practice of following by Hand, Eyelet Work, Cutwork, Rich Hew Work, Lace Work, Drawn thread Work, Patch Work, Renaissance Mirror, Shaded Embroidery, Shadow Work, Bead Work, Bobbin Embroidery Thread work.

UNIT – IV

Care Maintenance of Embroidery Articles – Pressing Articles – Frames (Glass & Wooden). Estimating, Costing & Marketing of Finished Embroidery Goods.

UNIT – V

Surface Design Techniques – using CAD, Traced Design and CAD method of Special Points – Study of Computerized Embroidery Machineries.

TEXT BOOKS

- Sheila Paine, “Embroidered Textiles”, Thames and Hudson Ltd., 1990.
- Shailaja D. Naik, “Traditional Embroideries of India”, A.P.H. Publishing Corporation, New Delhi, 1996.

12UTFP08 PROJECT VIVA VOCE

- Innovative and current topics should be selected by the students.
- Students should submit their project with swatches and end uses.
- Project should be evaluated by internal and external examiners.

Periyar University
B.Sc.- Textile & Fashion Designing
QUESTION PAPER PATTERN
THEORY EXAMINATIONS

Time: 3Hours

Total Marks: 75 Marks

QUESTION PAPER PATTERN

Unit	Section-A	Section-B	Section-C
I	Q. 1, 2	Q. 11a, 11b	Q. 16
II	Q. 3, 4	Q. 12a, 12b	Q.17
III	Q. 5, 6	Q.13a, 13b	Q.18
IV	Q. 7, 8	Q.14a, 14b	Q.19
V	Q. 9, 10	Q.15a, 15b	Q.20

➤ **Questions to be setted Unitwise in the above pattern only**

SECTION A (10 X2 = 20)

ANSWER ALL THE QUESTIONS

SECTION B (5 X5 = 25)

Either or Choice

ANSWER ALL THE QUESTIONS

SECTION C (3 X10 = 30)

ANSWER ANY THREE QUESTIONS OUT OF FIVE

PRACTICAL EXAMINATIONS

Time: 3Hours

Total Marks: 60 Marks

SECTION A (1 X20= 20)

Either or Choice

ANSWER ANY ONE

SECTION B (1 X40 = 40)

Either or Choice

ANSWER ANY ONE

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

Course: I B.Sc TFD

SEMESTER: I

12UTF01 FIBRE AND YARN SCIENCE

Time: 3 Hours

Maximum 75 Marks

SEC - A

10X2=20 Marks

Answer all the Questions

1. Define Fiber.
2. Mention any two Natural fibers.
3. Define manmade fibers.
4. Write about lycra.
5. What do you meant by scutcher?
6. What are the objectives of krischner beater?
7. What are the objectives of comber?
8. Write about roller drafting.
9. Define simplex.
10. Define simple yarn

SEC - B

5X5=25 MARKS

Answer all the Questions

11. a. Write short notes on physical and chemical properties of wool.
(or)
b. Write short notes on physical and chemical properties of jute.
12. a. Give an account on chemical properties of polyester
(or)
b. Explain about lycra fiber.
13. a. Enumerate on knife roller gin with neat sketch.
(or)
b. Explain about lap forming unit.
14. a. Give short notes on modern carding.
(or)
b. Discuss about Draw frame.
15. a. Write the difference between yarn and thread.
(or)
b. Give short notes on Sewing thread.

SEC - C

3X10=30 MARKS

Answer any three out of Five Questions

16. Explain in detail about classification of natural fibers
17. Describe about manufacturing process of nylon.
18. Discuss in detail about working principle of blow room process with neat sketch.
19. Enumerate on working principles of draw frame with neat sketching.

20. Explain in detail about simplex.

**PERIYAR UNIVERSITY
MODEL QUESTION PAPER**

12UTFP01 BASIC APPAREL DESIGNING PRACTICAL

Course: I B.Sc TFD

SEMESTER: I

TOTAL MARKS: 60

Time 3hrs

1X20=20 Marks

SEC-A

Answer all Questions

- 1a). Preparation of sample for facing and bindings.(Or)
- b). Preparation of sample for Placket and Fasteners.

SEC-B

1X40=40 Marks

Answer all questions.

- 2a). Preparation of sample for Seam of Seam finishes. (Or)
- b). Preparation of sample for collars.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER
12UTF02 FABRIC SCIENCE

Course: I B.Sc TFD

SEMESTER: II

Time: 3 Hours

Maximum 75 Marks

SEC- A

(10X2=20 Marks)

Answer all the Questions

1. Define weaving.
2. What do you mean by sizing?
3. List out the primary motions in weaving.
4. Define auxiliary motion.
5. Define peg plan.
6. List out the plain weave derivatives.
7. Define double cloth.
8. Define shuttle less weaving.
9. Define interloping.
10. List out the classifications of knitting.

SEC - B

(5X5= 25 MARKS)

Answer all the Questions

11. a. Write short notes on warp winding
(or)
b. Give an account on Pirn winding.
12. a. Give an account on secondary motions.
(or)
b. Give an account on weft fork motion
13. a. Enumerate on crepe weave.
(or)
b. Write the difference between satin and sateen weave.
14. a. Give short notes on rapier loom.
(or)
b. Give short notes on air jet loom.
15. a. Write short notes on classification of knitting.
(or)
b. Give an account on Weft knitting machine.

SEC – C

(3X10= 30 MARKS)

Answer any three Questions

16. Explain in detail about process of weaving preparation.
17. Write in detail about working principles of weaving.
18. Discuss in detail about twill weave and its modification.

19. Describe about shuttle less weaving.
20. Explain in detail about knitting and its classification.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER

12UTF03 TEXTILE PROCESSING

Course: II B.Sc TFD

SEMESTER: III

Time: 3 Hours

Maximum 75 Marks

SEC - A

(10X2=20 Marks)

Answer all the Questions

1. Write about Acid desizing
2. Explain the methods of enzymatic desizing
3. What are the chemicals used for mercerization process.
4. List of the fiber removed in singeing process.
5. Write the properties soda as using reacting dye
6. What are the dyes directly applied to cotton material.
7. Define term M:L ratio
8. Define term Printing
9. Discuss sanforising
10. Write about colour fastness

SEC-B

(5X5= 25 MARKS)

Answer all the Questions

11. a) What are the objects of desizing & its methods? (or)
b) Explain detail about role of enzymes in the prep rating process.
12. a) Explain about stripping procedure for reactive dyes. (or)
b) Define the term: i) Affinity ii) substantively iii) Mil ratio
13. a) Write short notes on block printing.
(i) Preparation of table (ii) Preparation of print paste (or)
b) What are the advantages of stencil printing?
14. a) Briefly explain about stiffening agent (or)
b). Write short notes on chemical finishing
15. a) Write down the sequence of computer colour matching method. (or)
b. Write short notes on eco friendly chemical finishing

SEC - C

(3X10= 30 MARKS)

Answer any three Questions

16. Explain in detail about continuous bleaching process in neat sketch.
17. Discuss briefly about Reactive dyeing process.
18. Explain with suitable diagram for types squeezing systems for rotary screen printing
16. Describe the working principle of sanforinzing process
20. What are the working principles of computer colour matching.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER

12UTFP02 TEXTILE PROCESSING PRACTICAL

Course: II B.Sc TFD

SEMESTER: III

TOTAL MARKS: 60

Time 3hrs

1X20=20 Marks

SEC-A

Answer all Questions

- 1.a) To calculate the size remove percentage in grey cotton fabric.(Or)
- b) To bleach the cotton fabric with universal bleaching agent.

SEC-B

(1X40=40 Marks)

Answer all questions.

- 2a). Dyeing of silk with acid dyes. (Or)
- b). By using at reactive dyes, printing at cotton fabric on direct style.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER

12UTFP03 TEXTILE TESTING PRACTICAL

Course: II B.Sc TFD

SEMESTER: IV

TOTAL MARKS: 60

Time 3hrs

1X20=20 Marks

SEC-A

Answer all Questions

- 1.a) To identify the given fibres by using microscopic test.(Or)
- b). To identify the given fibres by solubility test.

SEC-B

1X40=40 Marks

Answer all questions.

- 2a). To calculate the bursting strength for given fabric. (Or)
- b). To calculate the single yarn strength for given yarn.

PERIYAR UNIVERSITY
12UTFP04 DESIGNING AND MANUFACTURING CHILDREN'S APPAREL
PRACTICAL
MODEL QUESTION PAPER

Course: II B.Sc TFD

SEMESTER: IV

TOTAL MARKS: 60

Time 3hrs

1X20=10 Marks

SEC-A

Answer all Questions

1.a) Design, draft and contrast the garment bib with Variation in outline shape.

(Or)

b) Construct the boy's shirt open collar with draft.

SEC-B

Answer all questions

1X40=40 Marks

2.a) Design, draft and construct the romper with given features knicker with chest piece attached. (Or)

b) Construct the yoke frock with given features.

i) Yoke

iii) Gathered, flared

ii) With sleeve

iv) Flared, with or without collar.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTF04 CAD IN TEXTILES AND FASHION

Course: III B.Sc TFD

SEMESTER: V

Time 3 hrs

Total: 75 Marks

SEC – A

2x 10 = 20 Marks

Answer all Questions

1. What is computer?
2. Write about CPU
3. List the process involved in computer application.
4. Define color reduction.
5. Explain about design creation.
6. Write about fashion studio.
7. What is pattern making?
8. Define pattern grading.
9. Write about embroidery knit.
10. Explain about embroidery in computer.

SEC – B

5 x 5 = 25 Marks

Answer all Questions

11. a) Explain about organization of computer. (or)
b) Explain about Input output unit.
12. a) Write short notes about simulation techniques in printing (or)
b) Explain about spot designs in weaving.
13. a) Write about there rendering. (or)
b) Discuss about design studio.
- 14 a) Explain about marker planning. (or)
b) Write short notes about labeling.
15. a) Explain about computerized Integrated Manufacturing. (or)

b) Write about computerized merchandising.

SEC - C

3X 10 = 30 Marks

Answer any three out of Five Questions

16. Describe in detailed about central processing unit.
17. Give an brief account of computer applications in printing and its techniques
18. Describe in detailed about computer application in fashion designing.
19. Describe in detailed about computer application in pattern making.
20. Write about the study of computer aided manufacturing in detailed.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTF05 TEXTILE FINISHING

Course: III B.Sc TFD

SEMESTER: V

Time: 3hrs

Max Marks: 75

Sec – A

10x2=20 Marks

Answer all Questions

1. What is finishing?
2. Write two types of finish.
3. Explain rein finish
4. Write about soil release.
5. Write about furring
6. Explain about pressing
7. Write about finish
8. Explain about store wash finish
9. What is HT / HP
10. Explain Hydro Extractor

SEC – B

Answer all questions

5x5= 25 Marks

- 11.a) Write short notes about finishing. (Or)
- b) Explain about type of finishing.
- 12.a) Write about water repellent finish with their process. (Or)
- b) Explain about Water process and their recipe.
13. a) Explain about requirement for furring. (Or)
- b) Write short notes about processing.
- 14.a) Write about stiff finish process. (Or)
- b) Explain about Antimildew finish process of recipe.
- 15.a) Write about the equipment rotary drum waster (Or)

- b) Give short notes about Tumble drier

Sec – C

Answer any three out of Five Questions

3x10=30 Marks

16. Describe in detailed about classification of finisher.
17. Give an account of antimicrobial finish process of recipe in detailed
18. Discuss in detailed about types and method of fusing.
19. Describe in detailed about silicone finishing.
20. Describe in detailed about steam pressing machine.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTF06 FABRIC CARE

Course: III B.Sc TFD

SEMESTER: V

Time: 3hrs

TOTAL MARKS: 75

SEC-A

10X2=20 Marks

Answer all Questions

1. Write about Laundry.
2. Explain about types of Iron.
3. What is hard water.
4. Write about detergents.
5. What is stiffening agents.
6. What is solvents.
7. Explain about kneading.
8. Write about calendaring care.
9. Explain about dry cleaning.
10. Write about stain removal

SEC-B

5X5=25 Marks

Answer all Questions

- 11 a) Explain about types of laundry equipments. (Or)
b).Write about drying equipments.
- 12 a)Explain about methods of softening water. (Or)
b)Write about merits and demerits of detergents.
- 13 a)Explain about preparation of starch (Or)
b)Explain about laundry blues and their application.
- 14 a)Write about laundry principles (Or)

- b) Write short notes about damping.
- 15) a) Discuss about types of dry cleaning. (Or)
b) Give an account of general rules and ways of stain removal.

SEC-C

3X10=30 Marks

Answer any three out of Five Questions

- 16 Explain in detailed about types of equipments with next sketch.
- 17 Explain briefly about properties and types of soap.
- 18 Explain about types of bleaching agents in detailed
19. Explain the classification of strain removal
20. Write in detailed about laundering of different fabrics.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTFP05 DESIGNING AND MANUFACTURING WOMEN'S APPAREL

PRACTICAL

Course: III B.Sc TFD

SEMESTER: V

TOTAL MARKS: 60

Time 3hrs

1X20=20 Marks

SEC-A

Answer all Questions

- 1a) Design and draft middi with variation in panel.(Or)
- b) Construct the salwar with gathered waist with tape or elastic and bottom design.

SEC-B

1X40=40 Marks

Answer all Questions

- 2a) Design, draft and construct Maxi with fashioned neck and attaching trimmings. (Or)
- b) Design, draft and construct kameez with fashioned neck, variation in sleeve.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTFP06 CAD IN TEXTILE AND FASHION PRACTICAL

Course: III B.Sc TFD

SEMESTER: VI

Time 3hrs

**TOTAL MARKS: 60
1X20=20 Marks**

SEC-A

Answer all Questions

- 1a). Create a design suitable for printed design. (Or)
b). Create a design suitable for jacquard design

1X40=40 Marks

SEC-B

Answer all Questions

- 2a) Design a garment for children, women and Men. (Or)
b) Create a pattern, grade and prepare a marker plan for children, men and women's garment.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER

12UTF07 APPAREL QUALITY ASSURANCE

Course: III B.Sc TFD

SEMESTER: VI

Time: 3hrs

TOTAL MARKS: 75

SEC-A

10X2=20 Marks

Answer all Questions

1. What is quality control?
2. Explain AQL standards.
3. Discuss about defects.
4. Write about minor defects.
5. Explain about ISO 9000.
6. Explain TQM.
7. Write about accessories used for testing.
8. Explain about skew ness
9. Write about warehousing.
10. Explain about packing.

SEC-B

5X5=25 Marks

Answer all Questions

- 11a).Explain quality control (Or)
b)Write about 10 point system in quality control
- 12a)Write short notes about fabric defects (Or)
b)Explain about securing defects.
- 13a)What are the tools used in TQM?
b)Write about SA 8000.
- 14a)Discuss about the accessories Elastics?
b)Explain about shrinkage
- 15a)Write about quality assurance in security department (Or)
b)Discuss about shipping.

SEC-C

3X10=30 Marks

Answer any three out of Five Questions

- 16 Write briefly about raw material inspection
- 17 Write brief notes about cause and major defects in fabric.
- 18 Write briefly about concepts of Eco-tex.
- 19 Explain briefly about testing on dimensional stability.
- 20 Write about application of quality assurance programming in cutting department.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER

12UTFP07 DESIGNING AND MANUFACTURING MEN'S APPAREL PRACTICAL

Course: III B.Sc TFD

SEMESTER: VI

Time 3hrs

SEC-A

TOTAL MARKS: 60

1X20=20 Marks

Answer all Questions

- 1a) Construct the following garment S.B.Vest with / without collar, No sleeve, fancy button.
(Or)
- b) Design and construct the pyjama with waist at elastic / tape attached, fly.

SEC-B

1X40=40 Marks

Answer all Questions

- 2a) Design, draft, and construct pleated trousers with pleat in front, darts and back, side pocket, fly.
(Or)
- b). Design, draft construct kalidhar kurtha with kali piece, side pocket, round necks, half open.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER

12UTFA01 BASIC APPAREL DESIGNING

Course: I B.Sc TFD

SEMESTER: I

Time: 3hrs

TOTAL MARKS:75

SEC-A

10X2=20 Marks

Answer all Questions

1. Write about parts of sewing machine?
2. Explain about hemming.
3. Write about fullness.
4. Discuss about flounces.
5. Definition of opening.
6. Explain about packets.
7. Write about closures.
8. Define inconspicuous fasteners.
9. Write about sleeves.
10. What is Yoke?

SEC-B

5X5=25 Marks

Answer all Questions

- 11a).Write about functions of single needle machine (Or)
b).Explain about seams and seam finishes.
- 12a).Write about types of pleats. (Or)
b).Explain about facing and binding.
- 13a).Discuss about types of plackets. (Or)
b).Give an account of tailored plackets.
- 14a)List out the types of conspicuous fasteners. (Or)
b)Write about the definition for conspicuous fasteners.
- 15a)List out the types of sleeves. (Or)
b)Explain about types of Yoke.

SEC-C

3X10=30 Marks

Answer any three out of Five Questions

- 16 Describe in detailed about types and working of seams and seam finishes
- 17 Explain about types of darts in detailed with neat sketch.
- 18 Describe in detailed about characteristics of a good placket.
- 19 Discuss in detailed about conspicuous fasteners
- 20 Write briefly about types of sleeves with neat sketch

PERIYAR UNIVERSITY
MODEL QUESTION PAPER

12UTFAP01 FUNDAMENTALS OF COMPUTER PRACTICAL

Course: I B.Sc TFD

SEMESTER: I

TOTAL MARKS: 60

Time 3hrs

SEC-A

1X20=20 Marks

Answer all Questions

- 1a) Prepare Browsing – E- mail for any one. (Or)
- b) Prepare coral draw of garment designing with their tools.

SEC-B

1X40=40 Marks

Answer all Questions

- 2a) Prepare word processing – Excel and Powerpoint. (Or)
- b) Prepare photoshop – tools and garment styling, colouring and designing.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER

12UTFA02 PATTERN MAKING

Course: I B.Sc TFD

SEMESTER: II

TOTAL MARKS: 75
10X2=20 Marks

SEC-A

Answer all Questions

1. What is pattern making?
2. Write about body measurements.
3. Explain about drafting.
4. Write about draping.
5. Discuss about fitting.
6. Write about principles of fitting.
7. Define pattern layout.
8. Discuss about fabric cutting in pattern layout.
9. Define pattern alteration.
10. Explain about pattern grading.

SEC-B

5X5=25 Marks

Answer all Questions

- 11 a). Write about importance of body measurement (Or)
b). Explain about standardizing body measurements.
- 12 a). Write about methods of pattern making.(Or)
b). List out the types of paper pattern used.
- 13 a). Write short notes about standards of good fit. (Or)
b). Explain about the checking fit of a blouse.
- 14 a). Explain the rules in pattern layout. (Or)
b) List about methods of layout.
- 15 a). Explain the importance of altering patterns.(Or)
b). Write about principles of pattern alternation.

SEC-C

3X10=30 Marks

Answer any three out of Five Questions

- 16 Describe in detailed about measurements for ladies with neat sketch
- 17 Describe in detailed about principle of pattern drafting.
- 18 Explain briefly about steps in fitting techniques
- 19 Discuss about layout for length wise, stripped design, bold designs with example in detailed.
- 20 Explain in detailed about common pattern attraction in a blouse

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MODEL QUESTION PAPER

12UTFAP02 FABRIC DESIGN ANALYSIS PRACTICAL

Course: I B.Sc TFD

SEMESTER: II

TOTAL MARKS: 60

Time 3hrs

SEC-A

1X20=20 Marks

Answer all Questions

- 1a) Design draft and peg plan for plain weave and its derivatives. (Or)
- b) Ends per inch and picks per inch for honeycomb weave.

SEC-B

1X40=40 Marks

Answer all Questions

- 2a) Explain yarn count, yarn crimp and cover factor for satin and sateen. (Or)
- b) Explain weight per square yard of fabrics extra warp and useful fabrics.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER

12UTFA04 FASHION AND CLOTHING PSYCHOLOGY

Course: II B.Sc TFD

SEMESTER: IV

Time: 3hrs

Max Marks: 75

10x2=20 Marks

Sec – A

Answer all Questions

1. Explain about origin of fashion
2. Write about boutique
3. Write about reason change for in fashion
4. Explain about sex appeal
5. Discuss about fashion industry
6. Write about production in fashion.
7. List the centres of fashion in world.
8. List the fashion designers of India.
9. What is dacca muslin?
10. Write about Bandhani.

Sec – B

5x5 = 25 Marks

Answer all questions

11. a) Explain about definition of feed and style (Or)
b) Write about terms related to fashion industry of mannequin.
12. a) Write short notes about development of personal identify. (Or)
b) Explain about temperate variation in fashion.
13. a) Write about promotion related (Or)
b) Discuss about organization as a business in fashion industry.
14. a) Write about fashion abroad and in India. (Or)
b) Explain well known designers of far east.

15. a) Explain about Patola (Or)
b) Write about reading of kalamkari.

Sec – C

3x10=30 Marks

Answer any three out of Five Questions

16. Write briefly about fashion shows.
17. Discuss briefly about social psychology of fashion.
18. Explain briefly about creation of fashion design in fashion industry.
19. Write briefly about well known designers of Europe
20. Discuss briefly about Ikat techniques.

PERIYAR UNIVERSITY
MODEL QUESTION PAPER
12UTFA03 FASHION DESIGNING

Course: II B.Sc TFD

SEMESTER: III

TOTAL MARKS: 75

SEC-A

10X2=20 Marks

Answer all Questions

1. Define fashion.
2. Explain requirement of structural design.
3. Explain balance.
4. Write about emphasis.
5. Define colour.
6. Write about tone.
7. Write about figure irregularities.
8. Explain figure irregularities for flat bust.
9. List latest fashion in occupation.
10. Explain fashion based on gender in latest trend.

SEC-B

5X5=25 Marks

Answer all Questions

- 11 a). Discuss about the types of design (Or)
b). Write short notes about design.
- 12 a). Write short notes about harmony (Or)
b). Give with example for proportion.
- 13 a). Write about colour theory (Or)
b). Explain about dimension of hue.
- 14 a). Explain about figure irregular for narrow shoulders (Or)
b). Write about figure irregularities for prominent fore head.
- 15 a). Give short notes about knowledge of latest fashion (Or)
b). Write about economic status in fashion.

SEC-C

3X10=30 Marks

Answer any three out of Five Questions

- 16 Explain briefly about elements of design with neat sketch.
- 17 Write about application of principles in dress with neat sketch.
- 18 Discuss in detailed about dimension of colour with neat sketch.
- 19 Describe about figure irregularities for faces round, large, small, broad in detailed.
- 20 Explain briefly about factor to be considered while selecting clothes for different age groups.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTFAP03 FASHION ILLUSTRATION PRACTICAL

Course: II B.Sc TFD

SEMESTER: IV

Time 3hrs

**TOTAL MARKS: 60
1X20=20 Marks**

SEC-A

Answer all Questions

- 1a) Prepare the illustrate for stick and block figures three figures. (Or)
- b). Prepare different types of lines and checked effects in a shirt.

1X40=40 Marks

SEC-B

Answer all Questions

- 2a) Prepare and Illustrate fashion figure 8 ½ , 10 ½ and 12 ½ head theory. (Or)
- b). Prepare and illustrate croquets – 3 figures.

PERIYAR UNIVERSITY

12UTFSP01 EMBROIDERY AND SURFACE DECORATIONS PRACTICAL

Course: II B.Sc TFD

SEMESTER: III

MODEL QUESTION PAPER

Time 3hrs

TOTAL MARKS: 60

SEC-A

1X20=20 Marks

Answer all Questions

- 1a) Make the samples for appliqué. (Or)
- b) Prepare the samples for Zardosi work

SEC-B

1X40=40 Marks

Answer all Questions

- 2a) Prepare the samples for hand embroidery 5 stitches. (Or)
b) Prepare the samples of smocking – types.

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MODEL QUESTION PAPER

12UTFS01 NON-WOVEN AND TECHNICAL TEXTILES

Course: II B.Sc TFD

SEMESTER: IV

Time 3 hrs

Total ; 75 Marks

SEC – A

2x10 = 20 Marks

Answer all Questions

1. What do you meant by web preparation?
2. List out the raw materials used for non-woven.
3. Define mechanical bonding.
4. What are the adhesive used for adhesive bonding?
5. What do you meant by technical textile?
6. List out any two types of technical textile.
7. What do you meant by geo-textile?
8. What are the end uses of geo-textile?
9. Define medical textile.
10. What do you meant by home textile?

SEC – B

5x5= 25 Marks

Answer all Questions

11. a. Write short notes on cross laid.
(or)
b. Explain the difference between random laid and parallel laid web preparation.
12. a. Give an account on mechanical bonding.
(or)
b. Write about melt blown techniques.
13. a. Write short notes on classification of technical textile.
(or)
b. Enumerate on merits and demerits of technical technical.
14. a. Write briefly about benefits of geo-tetile.
(or)
b. Explain about the importance of industrial textile.
15. a. Give short notes on extra corporeal of medical texile.
(or)
b. Give short notes on rugs and carpets.

SEC – C

3x10= 30 Marks

Answer any three out of Five Questions

- 16 Explain in detail about non-woven and its classification.
- 17 Write in detail about production of melt blown and spun lace techniques.
- 18 Discuss in detail about technical textile.
- 19 Describe about geo textile.
- 20 Explain in detail about medical textile.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTFSP02 FASHION ACCESSORIES AND ORNAMENTS PRACTICAL

Course: III B.Sc TFD

SEMESTER: V

Time: 3hrs

Marks: 60

1x20=20

Sec – A

Answer all Questions

- 1.a) Design and construct different types of ties. (Or)
- b) Explain about accessory making of Anklets (or) Bracelets.

Sec – B

Answer all Questions

Marks: 1x40 = 40

- 2. a) Design and construct handbags (Or)
- b). Accessory making of Chains.

PERIYAR UNIVERSITY

12UTFSP03 PORT FOLIO PRESENTATION PRACTICAL

Course: III B.Sc TFD

SEMESTER: V

MODEL QUESTION PAPER

TOTAL MARKS: 60

Time 3hrs

SEC-A

1X20=20 Marks

Answer all Questions

- 1a) Develop and present mood board and story board. (Or)
- b) Explain about final presentation.

SEC-B

1X40=40 Marks

Answer all Questions

- 2a). Prepare drawing from photographs and design development (Or)
- b) Fashion show production with a theme – one collection to be designed and produced.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTFSP04 BEAUTY CARE PRACTICAL

Course: III B.Sc TFD

SEMESTER: VI

TOTAL MARKS: 60

Time 3hrs

SEC-A

1X20=20 Marks

Answer all Questions

- 1a) Do skin massage for dry skin (Or)
- b) Do face bleach of creams for pimples and rashes.

SEC-B

1X40=40 Marks

Answer all Questions

- 2a) Prepare hair styles with 3 different ways. (Or)
- b) Prepare one type of bride makeup.

PERIYAR UNIVERSITY

12UTFSP05 NEEDLE CRAFT

Course: III B.Sc TFD

SEMESTER: VI

Model Question paper

TOTAL MARKS: 60

Time 3hrs

SEC-A

1X20=20 Marks

Answer all Questions

- 1a) Prepare any two samples for crochet / tatting (Or)
- b) Prepare any two samples for drawn thread work.

SEC-B

1X40=40 Marks

Answer all Questions

- 2a). Prepare embroidery samples for the best used sketches of about 10.
- b) Prepare 4 samples for making with patch work/ appliqué.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTFM01 FASHION MARKETING AND MERCHANDISING

Course: III B.Sc TFD

SEMESTER: V

Time 3 hrs

Total Marks-75

SEC – A

10 x 2 = 20 Marks

Answer all Questions

- 1. What is merchandising.
- 2. Explain product cycle.
- 3. Define distribution.
- 4. Define Quality.
- 5. List out the Promotional Activities.
- 6. write about AQM
- 7. What is cost?
- 8. Explain retailing.
- 9. What is export.
- 10. Explain domestic market.

SEC –B

5 X 5 = 25 Marks

Answer all Questions

- 11. a) Explain about role of merchandiser. (or)
b) Write about product development.
- 12. a) Write short notes about channels of distribution. (or)
b) Explain about quality requirements in distribution.
- 13. a) Explain about Apparel products. (or)
b) Write about style Development.
- 14. a) Explain the scope of retailing.
b) Write about types of retailing.
- 15. a) Explain about basic costing (or)
b) Write about GATT.

SEC – C

3x10 =30 Marks

Answer any three out of Five Questions

- 16. Write briefly about domestic and International Marketing.
- 17. Explain in detailed about garment construction, selection of fabric and quality

Problems.

18. Discuss in detailed about Buyers and sellers Meet.
19. Write briefly about Retail Management in detailed.
20. Describe in detailed about geotextiles briefly in marketing.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER 12UTFM02 FASHION PHOTOGRAPHY

Course: III B.Sc TFD

SEMESTER: VI

Time 3 hrs.

Total Marks – 75

10x2=20 Marks

SEC – A

Answer all Questions

1. . What is photography?
2. . Explain principles of photography.
3. Explain the tools of photography.
4. List out the equipments used in different fields.
5. Define camera.
6. Define demerits of camera.
7. Explain about digital camera.
8. List out the printing Techniques.
9. Discusses the needs of outdoor photography.
10. Explain Indoor photography.

SEC – B

5 X 5 = 25 Marks

Answer all Questions

11. a) Explain about Indoor photography. (or)
b) Write about lighting techniques.
12. a) Discusses about photography techniques in modeling. (or)
b) Explain about fashion shows.
13. a) Write about the parts of camera. (or)
b) List out the classification of camera
14. a) Explain about video photography (or)
b) Write about Image Mixing.
- 15.a) Discuss about outdoor photography and then lighting techniques. (or)

b) List out the methods of outdoor photography.

SEC – C

3X10 = 30 Marks

Answer any three out of Five Questions

16. Describe in detailed about needs and methods of techniques in photography.
17. Explain about the photography techniques used in newspaper and occasions in detailed.
18. Explain about types of camera in detailed with neat sketch.
19. Describe in detailed about photography using digital camera.
20. Discuss in detailed about equipments used for outdoor photography.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTFM03 TEXTILE AND GARMENT INDUSTRY MANAGEMENT

Course: III B.Sc TFD

SEMESTER: VI

TOTAL MARKS: 75

10X2=20 Marks

SEC-A

Answer all Questions

1. Explain about textile.
2. Write about garment industry.
3. List out the types of building.
4. Explain about ventilation.
5. Write about humidity.
6. Explain about electrical supply.
7. What is management?
8. List out the types of leadership.
9. Define entrepreneurship.
10. Explain about project.

SEC-B

5X5=25 Marks

Answer all Questions

- 11 a). Discuss about selection of land for textile and garment mills (Or)
- b).What are the factors to be considered while selecting the land.

- 12 a). Explain about building varieties (Or)
b).Write about types of lamps.
- 13 a). Explain about relative humidity (Or)
b).Write short notes about power house.
- 14 a) Explain about principles of management (Or)
b).Write about types and strategies of management.
- 15 a). Write about functions of entrepreneur (Or)
b).Explain about essentials of a successful center

SEC-C

3X10=30 Marks

Answer any three out of Five Questions

- 16 Describe in detailed about plant layout
- 17 Write in detailed about lighting and Ventilation
- 18 Write about working principles of humidification about
- 19 Describe in detailed about process of management
- 20 Explain about starting a new industry in detailed

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTFN01 Fashion Art & Design Concept

Course: II B.Sc TFD

SEMESTER: III

Time: 3 Hours

Maximum 75 Marks

SEC - A

10X2=20 Marks

Answer all the Questions

1. Define fashion.
2. List out any 4 designers.
3. Define design.
4. Discuss about size.
5. What is principles of design?
6. What is emphasis ?
7. What is hue?
8. Define colour.
9. What is the current trend of fashion?
10. What is socio – economic status ?

SEC - B

5X5=25 MARKS

Answer all the Questions

11. a)Write about the philosophy of design (Or)

- b) Short note on origin of fashion.
- 12. a) Discuss about the elements of designing. (Or)
- b) Differentiate between structural & decorative designs.
- 13. a) Discuss about harmony (Or)
- b) Write the importance of principles of design.
- 14. a) What is prank colour theory?(Or)
- b) Short notes on dimension of colour
- 15. a) Discuss about the gender balance (or)
- b) Discuss about technological developments of fashion designing.

SEC - C

3X10=30 MARKS

Answer any three out of Five Questions

- 16. Detail & discuss about the any 5 leading fashion designers.
- 17. Discuss about the various elements of design.
- 18. Explain the principles of design.
- 19. Explain colour theories.
- 20. Discuss about the upcoming fashion designing.

PERIYAR UNIVERSITY

MODEL QUESTION PAPER

12UTFN02 Embroidery & Surface Design

Course: II B.Sc TFD

SEMESTER: IV

Time: 3 Hours

Maximum 75 Marks

SEC - A

10X2=20 Marks

Answer all the Questions

- 1. Define Embroidery.
- 2. Write about embroidery thread.
- 3. List out any 5 hand embroidery stitches.
- 4. How to make herringbone stitch with sketch.
- 5. What are the stitches used to make cut work?
- 6. Define bobbin thread embroidery.
- 7. What are the materials used for making embroidery?
- 8. Define computerized embroidery.
- 9. List out the surface design techniques.
- 10. Define CAD.

SEC - B

5X5=25 MARKS

Answer all the Questions

- 11) a. Write short notes on rules to be taken for hand embroidery. (or)
- b. Write short notes on rules to be taken for machine embroidery.

12) a. How to make long and short stitch, satin stitch by hand embroidery with neat sketch.

(or)

b. How to make double knot and fish bone stitch by hand embroidery with neat sketch.

13) a. List out the types of bead work by hand embroidery and explain it. (or)

b. Write the difference between cut work and patch work. by hand embroidery

14) a. Explain about the selection of thread, color and material for hand embroidery.(or)

b. List out the care and maintenance of embroidery articles for frames and pressing articles.

15) a. Brief study of any one computerized embroidery machineries used in industries. (or)

b. How to use the CAD software for surface design techniques.

SEC - C

3X10=30 MARKS

Answer any three out of Five Questions

16. Explain in detail about needle and threads used for design while using computers.

17. Explain any 5 hand embroideries with neat sketching.

18. Write detail about the followings with neat sketch.

- Shaded embroidery
- Shadow work
- Renaissance mirror work

19. How to estimating and costing for finished embroidery goods.

20. How CAD software play a vital role in Textile industry.